Most Frequently Occurring Classifications of Patents Returned
From A Search of 09781310 on April 21, 2004

Original Classifications
    3   180/446
    2   73/453
    2   86/49
    2   123/674
    2   307/125
    2   710/6
    2   711/146

Cross-Reference Classifications
    3   435/252.3
    3   435/320.1
    2   73/32A
    2   82/1.11
    2   82/101
    2   83/436.7
    2   83/54
    2   83/886
    2   89/1.13
    2   123/694
    2   180/443
    2   435/325
    2   435/69.1
    2   530/350
    2   536/23.5
    2   701/41
    2   701/42
    2   710/14
    2   710/52
    2   711/124
    2   711/138
    2   711/141
    2   711/154

Combined Classifications
    3   180/446
    3   435/252.3
    3   435/320.1
    3   435/69.1
    3   701/41
    3   710/14
    2   73/117.3
    2   73/32A
    2   73/453

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2    82/1.11
2    82/101
2    83/436.7
2    83/54
2    83/886
2    86/49
2    89/1.13
2   123/674
2   123/694
2   180/197
2   180/443
2   307/125
2   435/325
2   530/300
2   530/350
2   536/23.2
2   536/23.5
2   701/42
2   701/72
2   707/3
2   710/37
2   710/52
2   710/6
2   711/124
2   711/138
2   711/141
2   711/146
2   711/154
2   714/26
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Titles of Most Frequently Occurring Classifications of Patents Returne
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From A Search of 09781310 on April 21, 2004

    3 180/446   (3 OR, 0 XR)
          Class   180 : MOTOR VEHICLES
          180/400   STEERING GEAR
          180/443   .With electric power assist
          180/446   ..Condition modulated

    3 435/252.3   (0 OR, 3 XR)
          Class   435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY

          435/243   MICRO-ORGANISM, PER SE (E.G., PROTOZOA, ETC.);
                              COMPOSITIONS THEREOF; PROCES OF PROPAGATI
NG, MAINTAINING OR
                          PRESERVING MICRO-ORGANISMS OR COMPOSITION
S THEREOF; PROCESS
                          OF PREPARING OR ISOLATING A COMPOSITION C
ONTAINING A
                          MICRO-ORGANISM; CULTURE MEDIA THEREFOR
          435/252.1   .Bacteria or actinomycetales; media therefor
          435/252.3   ..Transformants (e.g., recombinant DNA or
                          vector or foreign or exogenous gene contain
ing, fused
                          bacteria, etc.)

    3 435/320.1   (0 OR, 3 XR)
          Class   435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY

          435/320.1   VECTOR, PER SE (E.G., PLASMID, HYBRID PLASMID,
                          COSMID, VIRAL VECTOR, BACTERIOPHAGE VECTOR,
ETC.)
                          BACTERIOPHAGE VECTOR, ETC.)

    3 435/69.1   (1 OR, 2 XR)
          Class   435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY

          435/41   MICRO-ORGANISM, TISSUE CELL CULTURE OR ENZYME
                              USING PROCESS TO SYNTHESIZE A DESIRED CHEM
ICAL COMPOUND OR
                          COMPOSITION
          435/69.1   .Recombinant DNA technique included in method
                          of making a protein or polypeptide

    3 701/41   (1 OR, 2 XR)
          Class   701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND

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                     09781310_CLSTITLES.txt
                     RELATIVE LOCATION
        701/1        VEHICLE CONTROL, GUIDANCE, OPERATION, OR
                        INDICATION
        701/36       .Vehicle subsystem or accessory control
        701/41       ..Steering control


3   710/14        (1 OR, 2 XR)
        Class    710 :  ELECTRICAL COMPUTERS AND DIGITAL DATA
                        PROCESSING SYSTEMS:  INPUT/OUTPUT
        710/1        INPUT/OUTPUT DATA PROCESSING
        710/8        .Peripheral configuration
        710/14       ..Mode selection


2   73/117.3      (1 OR, 1 XR)
        Class    073 :  MEASURING AND TESTING
        73/116          MOTOR AND ENGINE TESTING
        73/117.2        .Disparate tests under operating conditions
        73/117.3        ..With continuous operation


2   73/32A        (0 OR, 2 XR)
        Class    073 :  MEASURING AND TESTING
        73/32R          SPECIFIC GRAVITY OR DENSITY OF LIQUID OR SOLID

        73/32A          .Involving vibration of substance or the
                          measuring apparatus


2   73/453        (2 OR, 0 XR)
        Class    073 :  MEASURING AND TESTING
        73/32R          SPECIFIC GRAVITY OR DENSITY OF LIQUID OR SOLID

        73/451          .Float operated indicator
        73/453          ..Electrical indication


2   82/1.11       (0 OR, 2 XR)
        Class    082 :  TURNING
        82/1.11         PROCESS OF TURNING


2   82/101        (0 OR, 2 XR)
        Class    082 :  TURNING
        82/46           SEVERING OR CUT-OFF
        82/70.1         .Infeed means
        82/101          ..With means to support and/or rotate work


2   83/436.7      (0 OR, 2 XR)
        Class    083 :  CUTTING
        83/401          WITH MEANS TO CONVEY WORK RELATIVE TO TOOL
                          STATION
        83/436.3        .Roller
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         83/436.7        ..Supporting work at cutting station

  2    83/54          (0 OR, 2 XR)
         Class    083 :  CUTTING
         83/13           PROCESSES
         83/54           .Cutting wall of hollow work

  2    83/886         (0 OR, 2 XR)
         Class    083 :  CUTTING
         83/861          OTHER THAN COMPLETELY THROUGH WORK THICKNESS O
R
                         THROUGH WORK PRESENTED
         83/879          .Scoring
         83/886          ..Rotary scoring blade

  2    86/49          (2 OR, 0 XR)
         Class    086 :  AMMUNITION AND EXPLOSIVE-CHARGE MAKING
         86/49           AMMUNITION SHELL UNLOADING

  2    89/1.13        (0 OR, 2 XR)
         Class    089 :  ORDNANCE
         89/1.13         MINE-DESTROYING DEVICES

  2    123/674        (2 OR, 0 XR)
         Class    123 :  INTERNAL-COMBUSTION ENGINES
         123/434         CHARGE FORMING DEVICE (E.G., POLLUTION CONTROL
)

         123/672         .Including exhaust gas condition responsive
                            means
         123/674         ..With modifying or updating memory (i.e.,
                            learning)

  2    123/694        (0 OR, 2 XR)
         Class    123 :  INTERNAL-COMBUSTION ENGINES
         123/434         CHARGE FORMING DEVICE (E.G., POLLUTION CONTROL
)

         123/672         .Including exhaust gas condition responsive
                            means
         123/693         ..With compensator for sensor output (e.g.,
                            current or voltage)
         123/694         ...Output fed to compensating circuit

  2    180/197        (1 OR, 1 XR)
         Class    180 :  MOTOR VEHICLES
         180/197         WITH MEANS FOR DETECTING WHEEL SLIP DURING
                            VEHICLE ACCELERATION AND CONTROLLING IT BY
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REDUCING

APPLICATION OF POWER TO WHEEL

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 2  180/443      (0 OR, 2 XR)
        Class   180 :  MOTOR VEHICLES
        180/400        STEERING GEAR
        180/443        .With electric power assist

 2  307/125      (2 OR, 0 XR)
        Class   307 :  ELECTRICAL TRANSMISSION OR INTERCONNECTION
                          SYSTEMS
        307/112        SWITCHING SYSTEMS
        307/116        .Condition responsive
        307/125        ..Electrical

 2  435/325      (0 OR, 2 XR)
        Class   435 :  CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY

        435/325        ANIMAL CELL, PER SE (E.G., CELL LINES, ETC.);
                          COMPOSITION THEREOF; PROCESS OF PROPAGATING
, MAINTAINING OR
                          PRESERVING AN ANIMAL CELL OR COMPOSITION TH
EREOF; PROCESS
                          OF ISOLATING OR SEPARATING AN ANIMAL CELL O
R COMPOSITION
                          THEREOF; PROCESS OF PREPARING A COMPOSITION
CONTAINING AN
                          ANIMAL CELL; CULTURE MEDIA THEREFORE

 2  530/300      (1 OR, 1 XR)
        Class   530 :  CHEMISTRY:  NATURAL RESINS OR DERIVATIVES;
                          PEPTIDES OR PROTEINS; LIGNINS OR REACTION
PRODUCTS
                          THEREOF
        530/300        PEPTIDES OF 3 TO 100 AMINO ACID RESIDUES

 2  530/350      (0 OR, 2 XR)
        Class   530 :  CHEMISTRY:  NATURAL RESINS OR DERIVATIVES;
                          PEPTIDES OR PROTEINS; LIGNINS OR REACTION
PRODUCTS
                          THEREOF
        530/350        PROTEINS, I.E., MORE THAN 100 AMINO ACID
                          RESIDUES

 2  536/23.2     (1 OR, 1 XR)
        Class   536 :  ORGANIC COMPOUNDS -- PART OF THE CLASS
                          532-570 SERIES
        536/1.11       .Carbohydrates or derivatives
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        536/18.7       ..Nitrogen containing
        536/22.1       ...N-glycosides, polymers thereof, metal
                           derivatives (e.g., nucleic acids, oligonu
cleotides, etc.)

        536/23.1       ....DNA or RNA fragments or modified forms
                           thereof (e.g., genes, etc.)
        536/23.2       .....Encodes an enzyme

  2  536/23.5      (0 OR,  2 XR)
        Class    536 :  ORGANIC COMPOUNDS -- PART OF THE CLASS
                           532-570 SERIES
        536/1.11       .Carbohydrates or derivatives
        536/18.7       ..Nitrogen containing
        536/22.1       ...N-glycosides, polymers thereof, metal
                           derivatives (e.g., nucleic acids, oligonu
cleotides, etc.)

        536/23.1       ....DNA or RNA fragments or modified forms
                           thereof (e.g., genes, etc.)
        536/23.5       .....Encodes an animal polypeptide

  2  701/42       (0 OR,  2 XR)
        Class    701 :  DATA PROCESSING: VEHICLES, NAVIGATION, AND
                           RELATIVE LOCATION
        701/1          VEHICLE CONTROL, GUIDANCE, OPERATION, OR
                           INDICATION
        701/36         .Vehicle subsystem or accessory control
        701/41         ..Steering control
        701/42         ...Feedback, transfer function or proportional
                           and derivative (P&D) control

  2  701/72       (1 OR,  1 XR)
        Class    701 :  DATA PROCESSING: VEHICLES, NAVIGATION, AND
                           RELATIVE LOCATION
        701/1          VEHICLE CONTROL, GUIDANCE, OPERATION, OR
                           INDICATION
        701/70         .Indication or control of braking,
                           acceleration, or deceleration
        701/71         ..Antiskid, antilock, or brake slip control
        701/72         ...During cornering or turning of vehicle

  2  707/3        (1 OR,  1 XR)
        Class    707 :  DATA PROCESSING:  DATABASE AND FILE
                           MANAGEMENT OR DATA STRUCTURES
        707/1          DATABASE OR FILE ACCESSING
        707/3          .Query processing (i.e., searching)
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2  710/37          (1 OR, 1 XR)
        Class     710 :  ELECTRICAL COMPUTERS AND DIGITAL DATA
                            PROCESSING SYSTEMS:  INPUT/OUTPUT
        710/1             INPUT/OUTPUT DATA PROCESSING
        710/36            .Input/Output access regulation
        710/37            ..Access dedication


2  710/52          (0 OR, 2 XR)
        Class     710 :  ELECTRICAL COMPUTERS AND DIGITAL DATA
                            PROCESSING SYSTEMS:  INPUT/OUTPUT
        710/1             INPUT/OUTPUT DATA PROCESSING
        710/52            .Input/Output data buffering


2  710/6           (2 OR, 0 XR)
        Class     710 :  ELECTRICAL COMPUTERS AND DIGITAL DATA
                            PROCESSING SYSTEMS:  INPUT/OUTPUT
        710/1             INPUT/OUTPUT DATA PROCESSING
        710/5             .Input/Output command process
        710/6             ..Operation scheduling


2  711/124         (0 OR, 2 XR)
        Class     711 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                            SYSTEMS: MEMORY
        711/100           STORAGE ACCESSING AND CONTROL
        711/117           .Hierarchical memories
        711/118           ..Caching
        711/119           ...Multiple caches
        711/124           ....Cross-interrogating


2  711/138         (0 OR, 2 XR)
        Class     711 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                            SYSTEMS: MEMORY
        711/100           STORAGE ACCESSING AND CONTROL
        711/117           .Hierarchical memories
        711/118           ..Caching
        711/138           ...Cache bypassing


2  711/141         (0 OR, 2 XR)
        Class     711 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                            SYSTEMS: MEMORY
        711/100           STORAGE ACCESSING AND CONTROL
        711/117           .Hierarchical memories
        711/118           ..Caching
        711/141           ...Coherency


2  711/146         (2 OR, 0 XR)
        Class     711 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                            SYSTEMS: MEMORY
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        711/100      STORAGE ACCESSING AND CONTROL
        711/117      .Hierarchical memories
        711/118      ..Caching
        711/141      ...Coherency
        711/146      ....Snooping


2   711/154      (0 OR, 2 XR)
        Class   711 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                          SYSTEMS: MEMORY
        711/100      STORAGE ACCESSING AND CONTROL
        711/154      .Control technique


2   714/26       (1 OR, 1 XR)
        Class   714 :  ERROR DETECTION/CORRECTION AND FAULT
                          DETECTION/RECOVERY
        714/100      DATA PROCESSING SYSTEM ERROR OR FAULT HANDLING

        714/1        .Reliability and availability
        714/25       ..Fault locating (i.e., diagnosis or testing)

        714/26       ...Artificial intelligence (e.g., diagnostic
                         expert system)
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PLUS Search Results for S/N 09781310, Searched April 21, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated sear
ch
system for U.S. Patents from 1971 to the present. PLUS is a
query-by-example search system which produces a list of patents that a
re
most closely related linguistically to the application searched. This
search was prepared by the staff of the Scientific and Technical
Information Center, SIRA.

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